

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122819\
 Data File : BN009224.D
 Acq On : 28 Dec 2019 12:42
 Operator : JU
 Sample : K6278-06DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 29 03:37:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN121619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Dec 29 03:34:38 2019
 Response via : Initial Calibration

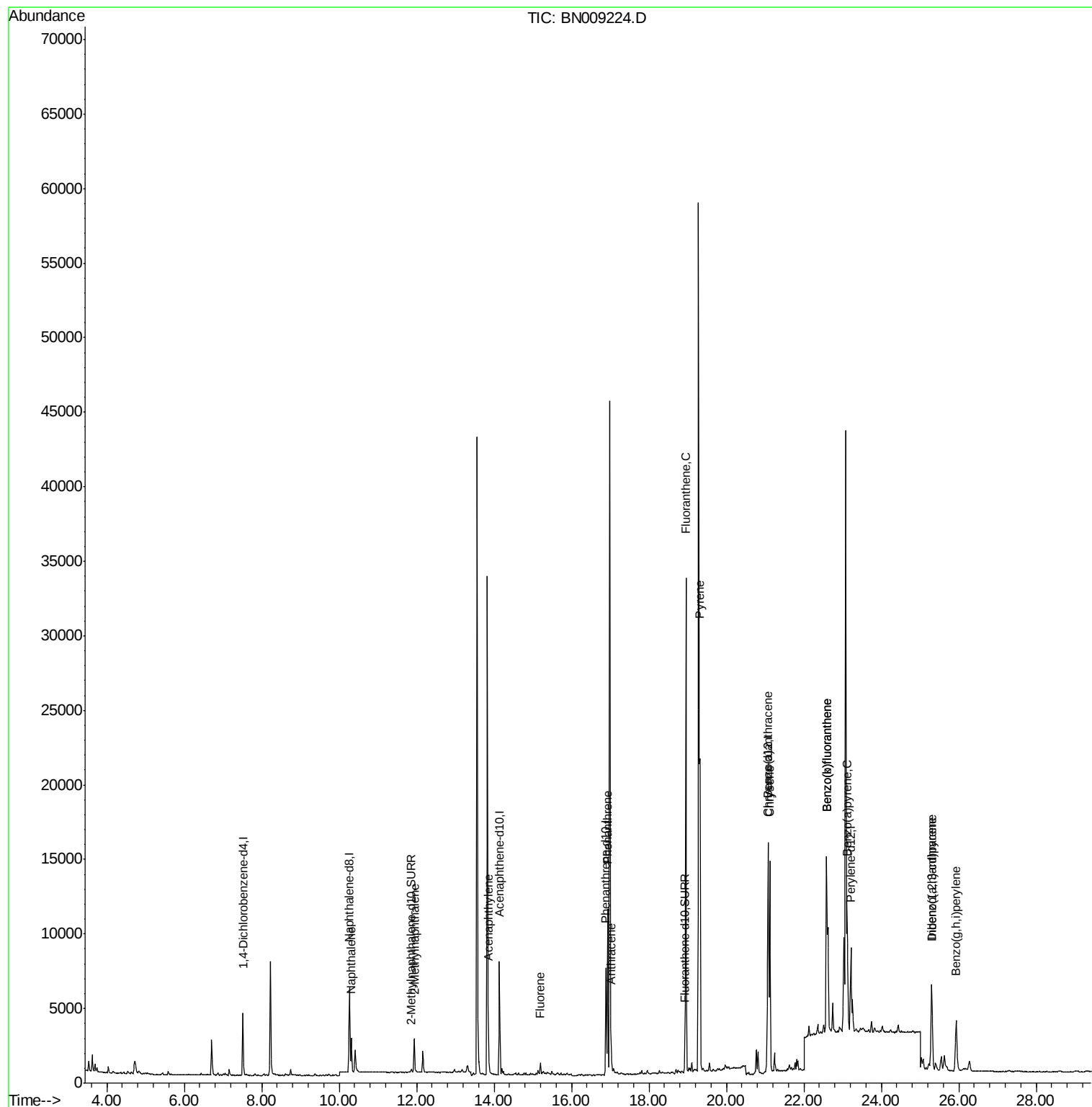
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	2045	0.40	ng/ul	0.00
2) Naphthalene-d8	10.26	136	7401	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.14	164	4027	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.89	188	8091	0.40	ng/ul	0.00
16) Chrysene-d12	21.09	240	6452	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	6594	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.86	152	322	0.02	ng/ul	0.00
14) Fluoranthene-d10	18.92	212	699	0.03	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.31	128	2969	0.132	ng/ul#	94
5) 2-Methylnaphthalene	11.94	142	1843	0.109	ng/ul	100
7) Acenaphthylene	13.86	152	1682	0.080	ng/ul#	91
9) Fluorene	15.20	166	487	0.025	ng/ul#	93
12) Phenanthrene	16.93	178	11599	0.412	ng/ul	99
13) Anthracene	17.02	178	2342	0.093	ng/ul#	93
15) Fluoranthene	18.95	202	27611	0.858	ng/ul	99
17) Pyrene	19.32	202	22727	0.690	ng/ul	99
18) Benzo(a)anthracene	21.07	228	12135	0.424	ng/ul	96
19) Chrysene	21.12	228	14060	0.488	ng/ul	96
21) Benzo(b)fluoranthene	22.58	252	25183	0.818	ng/ul	96
22) Benzo(k)fluoranthene	22.58	252	25183	0.811	ng/ul	97
23) Benzo(a)pyrene	23.12	252	10799	0.400	ng/ul	93
24) Indeno(1,2,3-cd)pyrene	25.30	276	8224	0.280	ng/ul	90
25) Dibenzo(a,h)anthracene	25.31	278	2193	0.094	ng/ul#	65
26) Benzo(a,h,i)perylene	25.93	276	6478	0.262	ng/ul	95

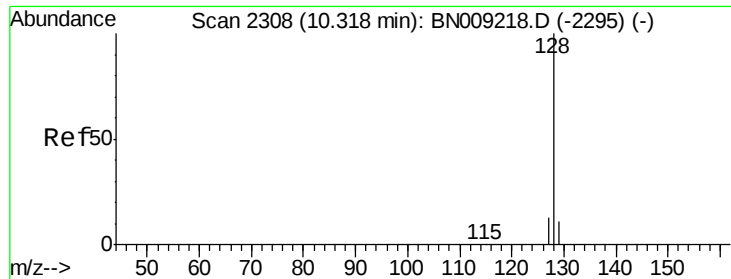
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sun Dec 29 03:34:38 2019
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#3

Naphthalene

Concen: 0.132 ng/ul

RT: 10.31 min Scan# 2307

Delta R.T. -0.01 min

Lab File: BN009224.D

Acq: 28 Dec 2019 12:42

Instrument :

BNA_N

ClientSampleId :

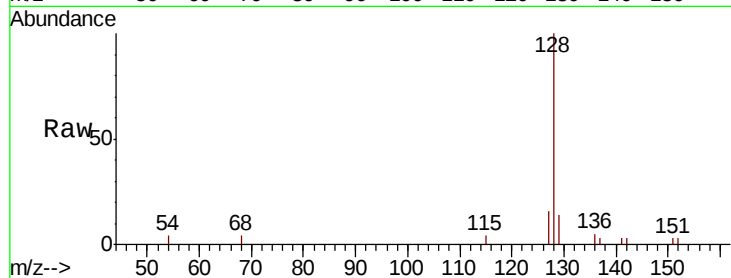
Tot Ion:128 Resp: 2969

Ion Ratio Lower Upper

128 100

129 14.0 9.0 13.4#

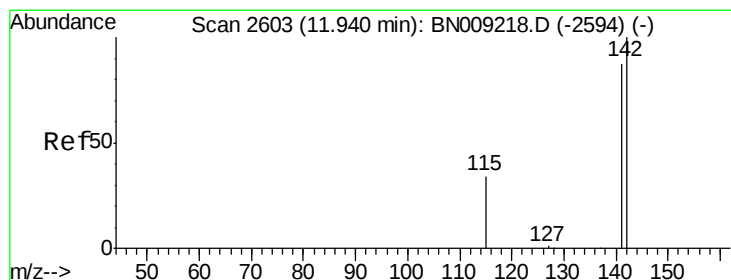
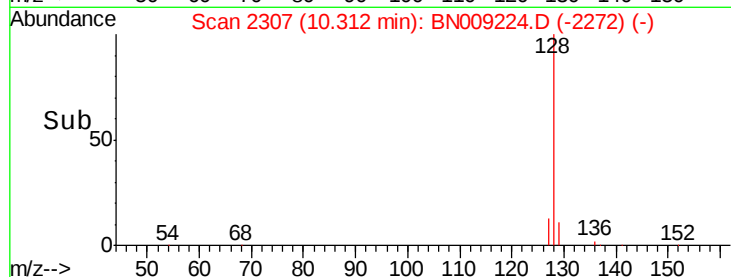
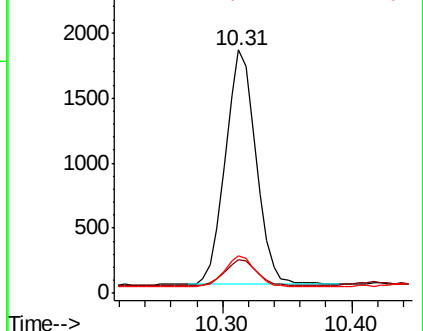
127 15.5 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.109 ng/ul

RT: 11.94 min Scan# 2603

Delta R.T. -0.00 min

Lab File: BN009224.D

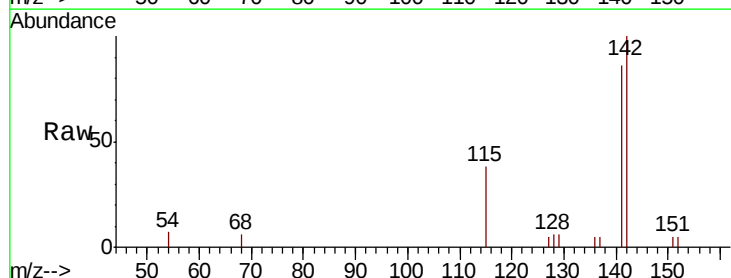
Acq: 28 Dec 2019 12:42

Tgt Ion:142 Resp: 1843

Ion Ratio Lower Upper

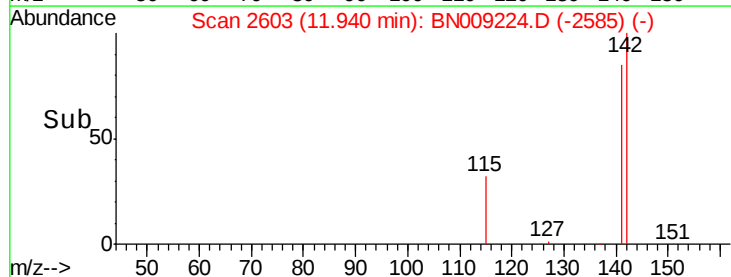
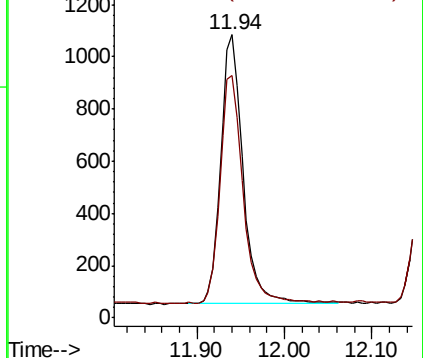
142 100

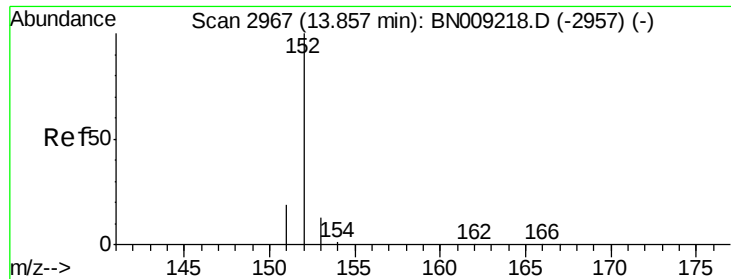
141 87.9 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.080 ng/ul

RT: 13.86 min Scan# 2967

Delta R.T. -0.00 min

Lab File: BN009224.D

Acq: 28 Dec 2019 12:42

Instrument :

BNA_N

ClientSampleId :

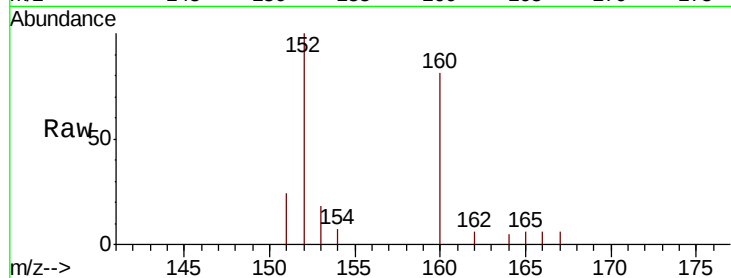
Tot Ion:152 Resp: 1682

Ion Ratio Lower Upper

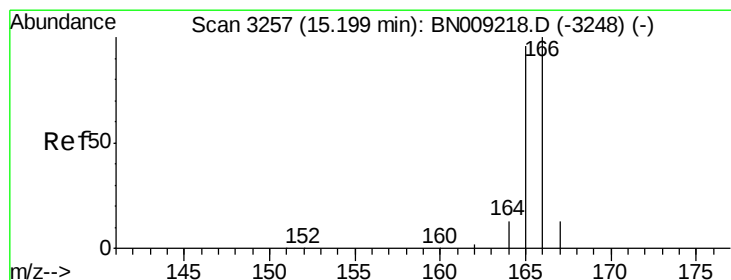
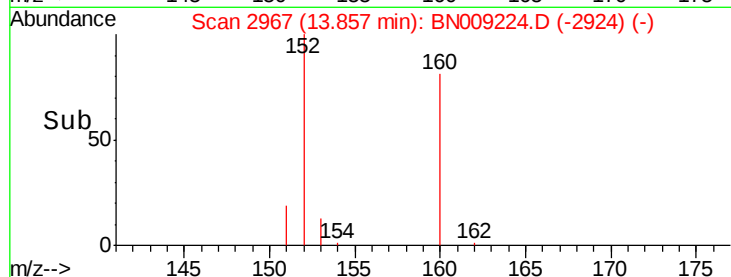
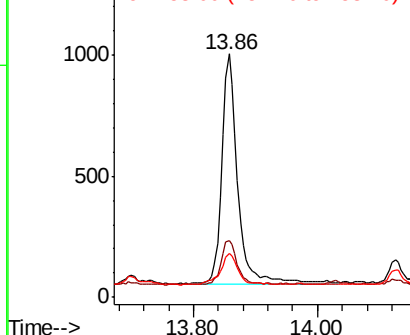
152 100

151 23.5 15.7 23.5

153 17.8 10.8 16.2#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#9

Fluorene

Concen: 0.025 ng/ul

RT: 15.20 min Scan# 3257

Delta R.T. -0.00 min

Lab File: BN009224.D

Acq: 28 Dec 2019 12:42

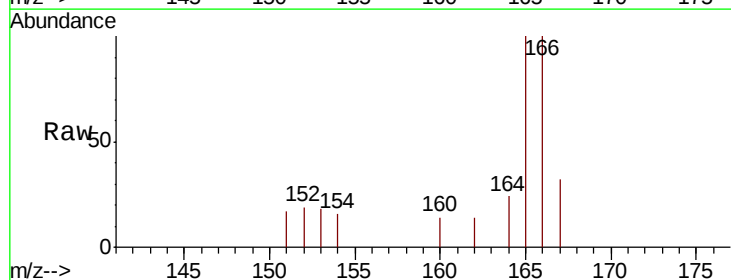
Tgt Ion:166 Resp: 487

Ion Ratio Lower Upper

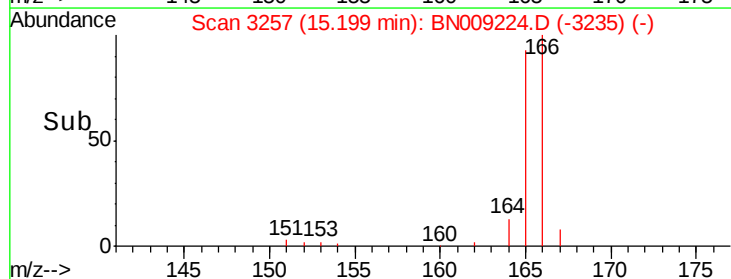
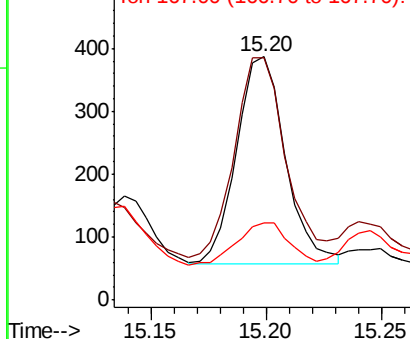
166 100

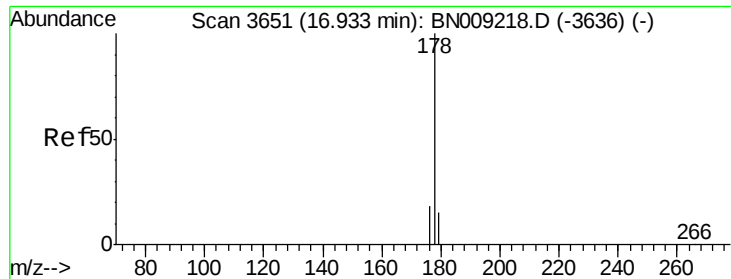
165 99.7 78.2 117.4

167 31.5 11.0 16.6#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#12

Phenanthrene

Concen: 0.412 ng/ul

RT: 16.93 min Scan# 3650

Delta R.T. -0.00 min

Lab File: BN009224.D

Acq: 28 Dec 2019 12:42

Instrument :

BNA_N

ClientSampleId :

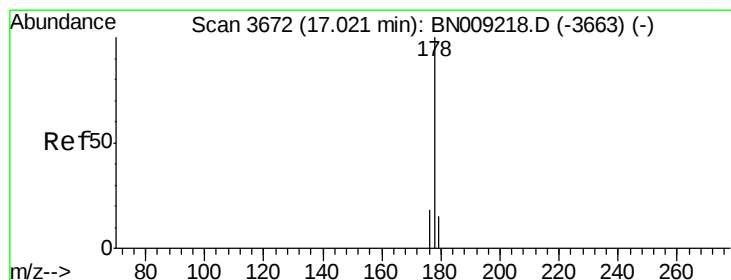
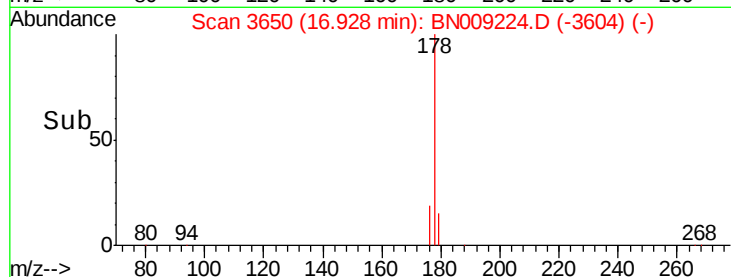
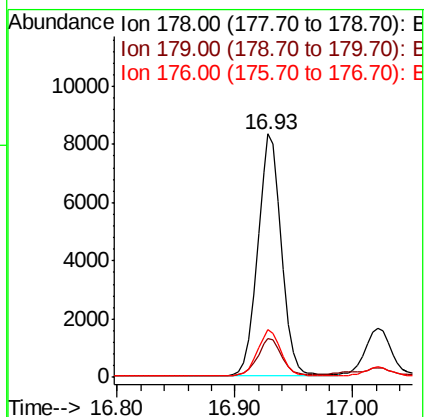
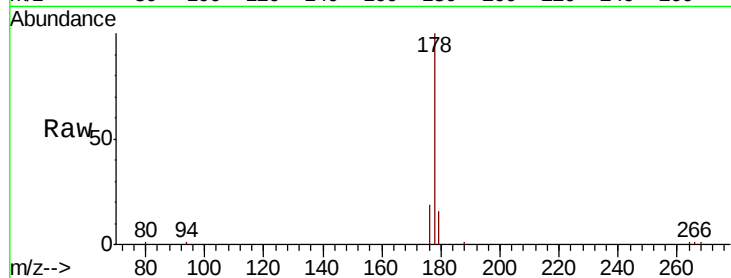
Tot Ion:178 Resp: 11599

Ion Ratio Lower Upper

178 100

179 15.9 12.3 18.5

176 19.4 15.1 22.7



#13

Anthracene

Concen: 0.093 ng/ul

RT: 17.02 min Scan# 3672

Delta R.T. -0.00 min

Lab File: BN009224.D

Acq: 28 Dec 2019 12:42

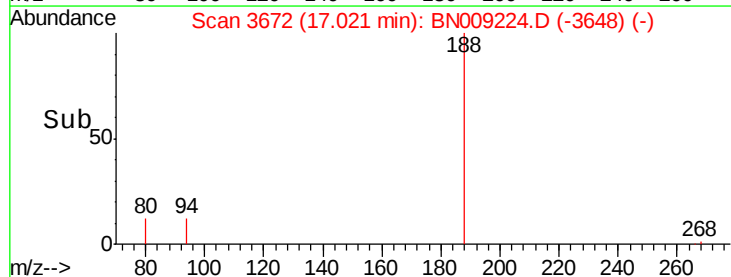
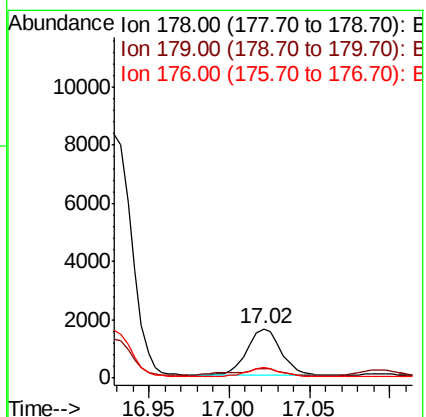
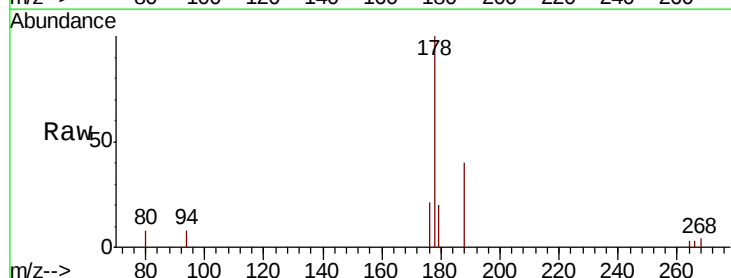
Tgt Ion:178 Resp: 2342

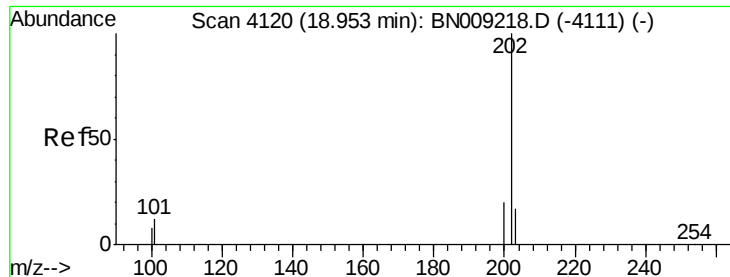
Ion Ratio Lower Upper

178 100

179 19.8 12.5 18.7#

176 20.9 14.9 22.3

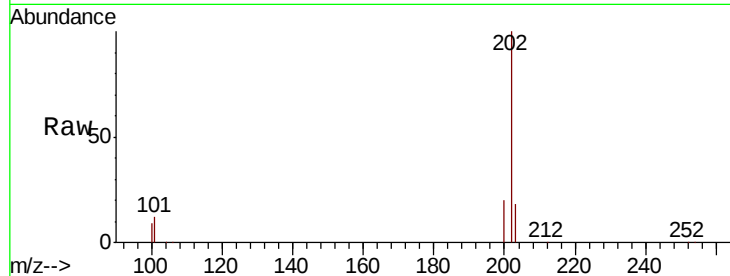




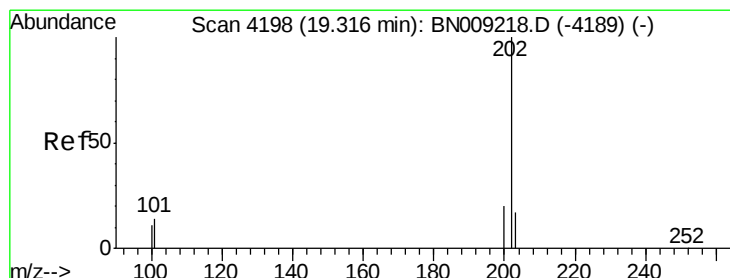
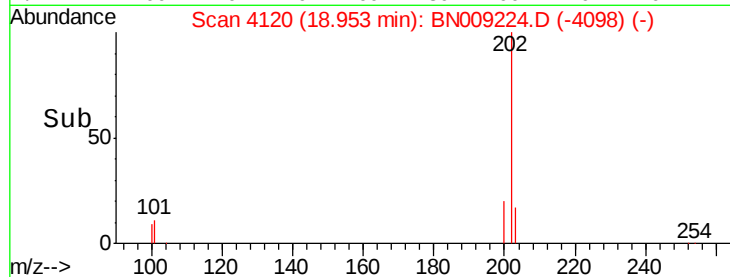
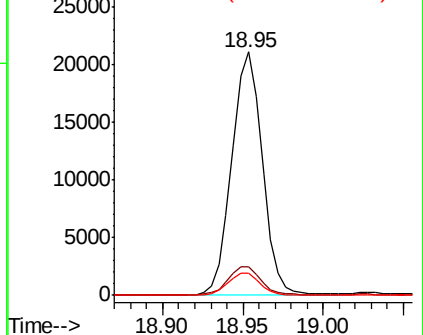
#15
Fluoranthene
 Concen: 0.858 ng/ul
 RT: 18.95 min Scan# 4120
 Delta R.T. -0.00 min
 Lab File: BN009224.D
 Acq: 28 Dec 2019 12:42

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:202 Resp: 27611
 Ion Ratio Lower Upper
 202 100
 101 11.9 0.0 31.5
 100 8.9 0.0 28.9

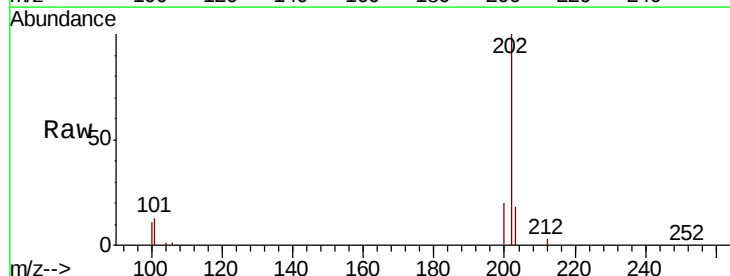


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

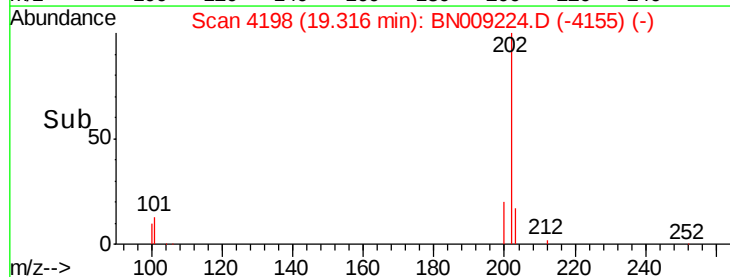
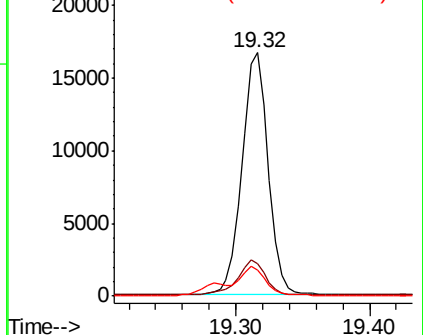


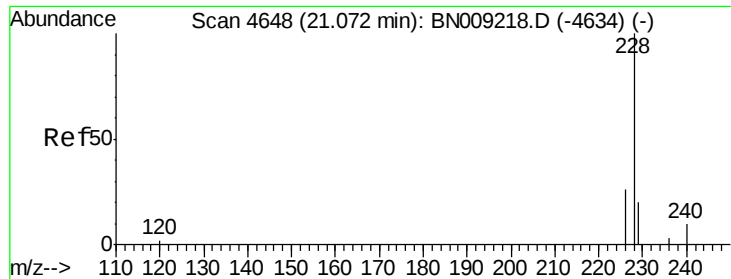
#17
Pyrene
 Concen: 0.690 ng/ul
 RT: 19.32 min Scan# 4198
 Delta R.T. -0.00 min
 Lab File: BN009224.D
 Acq: 28 Dec 2019 12:42

Tgt Ion:202 Resp: 22727
 Ion Ratio Lower Upper
 202 100
 101 13.5 10.9 16.3
 100 10.7 9.0 13.6



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.424 ng/ul

RT: 21.07 min Scan# 4647

Delta R.T. -0.00 min

Lab File: BN009224.D

Acq: 28 Dec 2019 12:42

Instrument :

BNA_N

ClientSampleId :

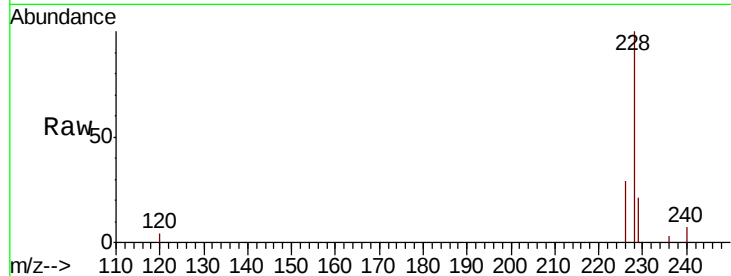
Tot Ion:228 Resp: 12135

Ion Ratio Lower Upper

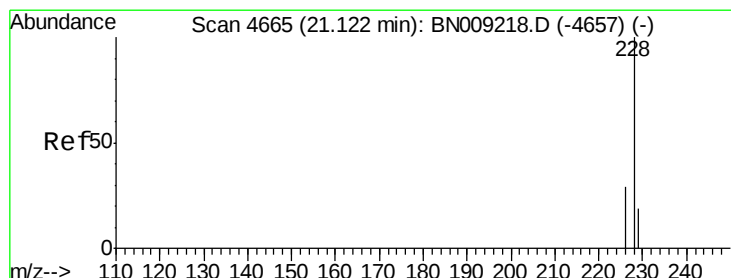
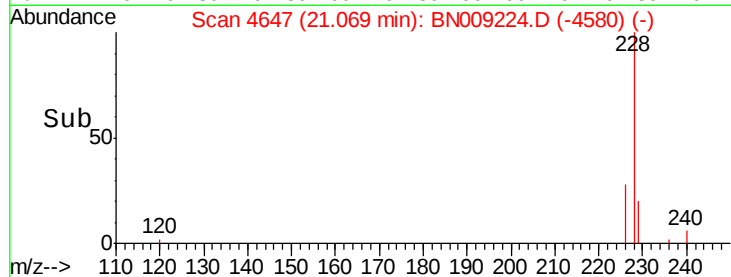
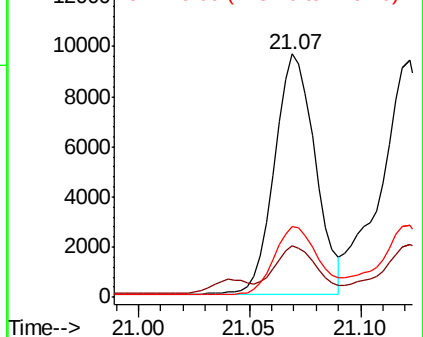
228 100

229 21.0 15.5 23.3

226 29.1 21.7 32.5



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#19

Chrysene

Concen: 0.488 ng/ul

RT: 21.12 min Scan# 4665

Delta R.T. -0.00 min

Lab File: BN009224.D

Acq: 28 Dec 2019 12:42

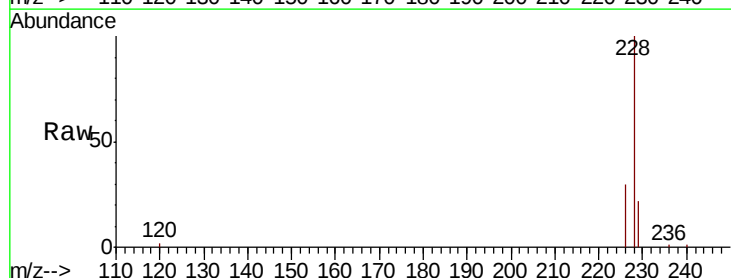
Tgt Ion:228 Resp: 14060

Ion Ratio Lower Upper

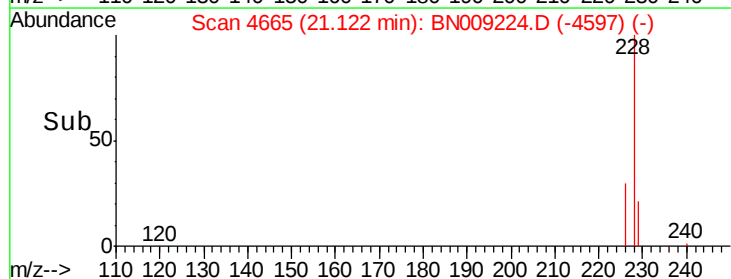
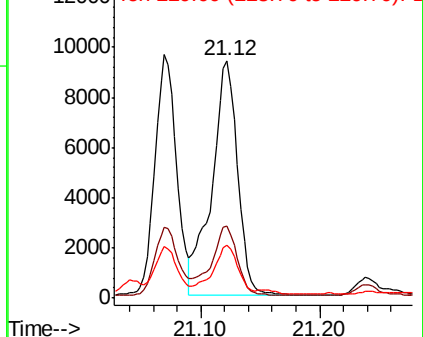
228 100

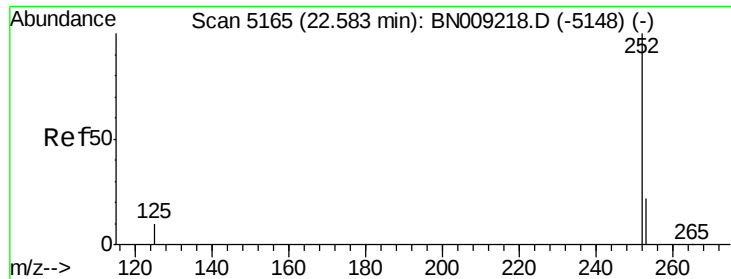
226 30.3 23.7 35.5

229 22.4 15.4 23.0



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.818 ng/ul

RT: 22.58 min Scan# 5165

Delta R.T. -0.00 min

Lab File: BN009224.D

Acq: 28 Dec 2019 12:42

Instrument :

BNA_N

ClientSampleId :

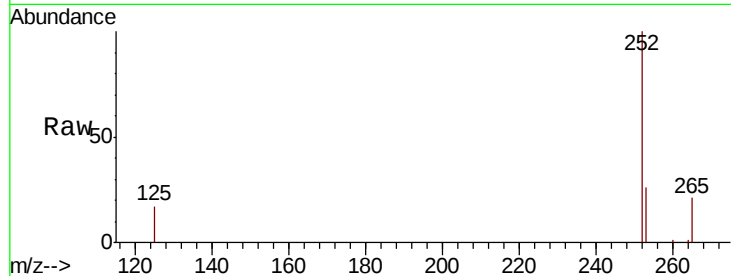
Tot Ion:252 Resp: 25183

Ion Ratio Lower Upper

252 100

253 26.1 0.0 48.2

125 16.7 0.0 30.0

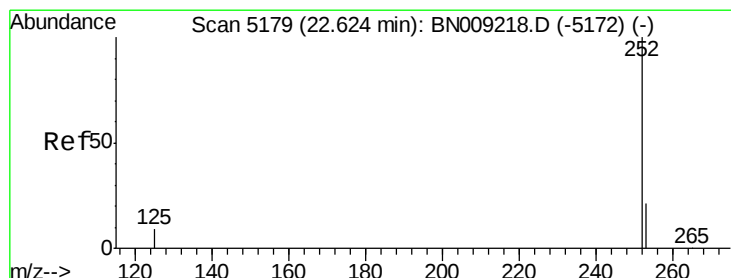
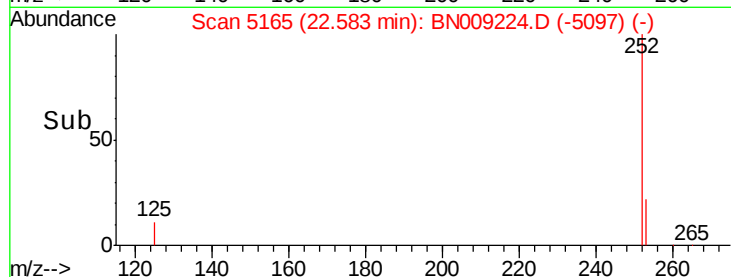
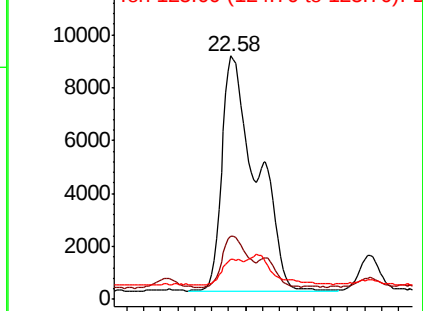


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#22

Benzo(k)fluoranthene

Concen: 0.811 ng/ul

RT: 22.58 min Scan# 5165

Delta R.T. -0.04 min

Lab File: BN009224.D

Acq: 28 Dec 2019 12:42

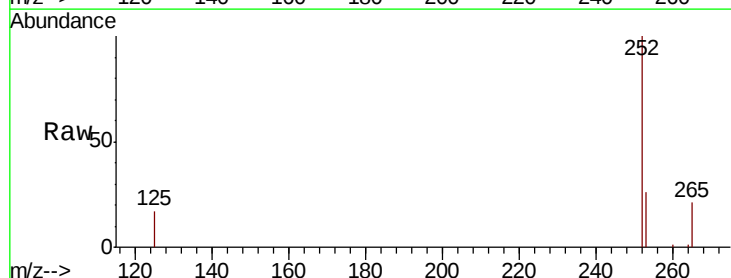
Tgt Ion:252 Resp: 25183

Ion Ratio Lower Upper

252 100

253 26.1 19.4 29.0

125 16.7 12.4 18.6

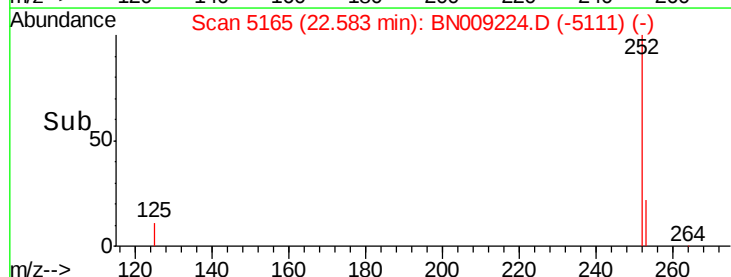
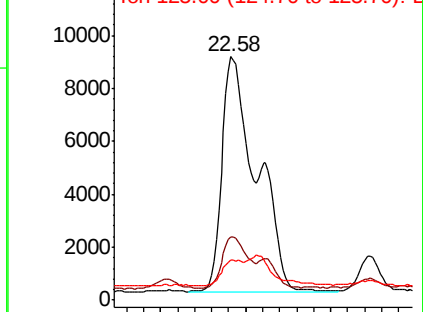


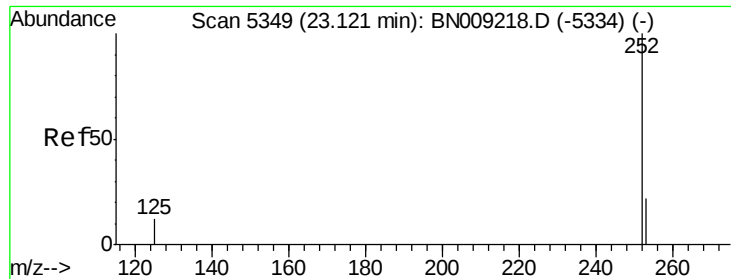
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.400 ng/ul

RT: 23.12 min Scan# 5348

Delta R.T. -0.00 min

Lab File: BN009224.D

Acq: 28 Dec 2019 12:42

Instrument :

BNA_N

ClientSampleId :

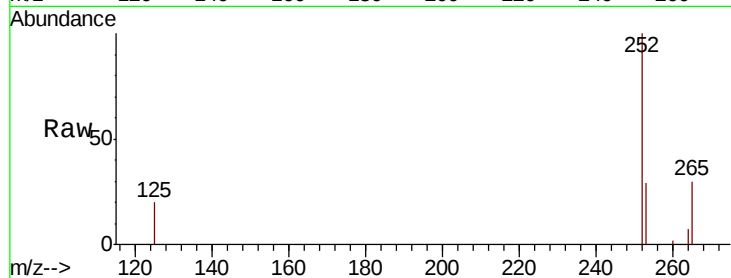
Tot Ion:252 Resp: 10799

Ion Ratio Lower Upper

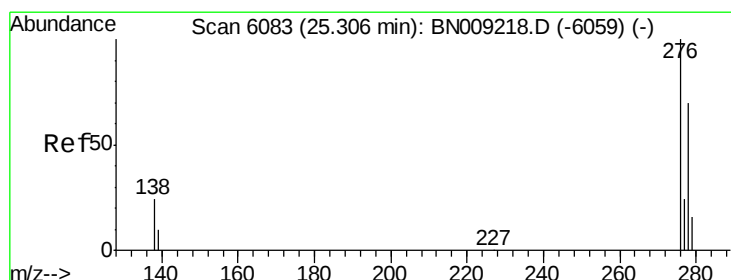
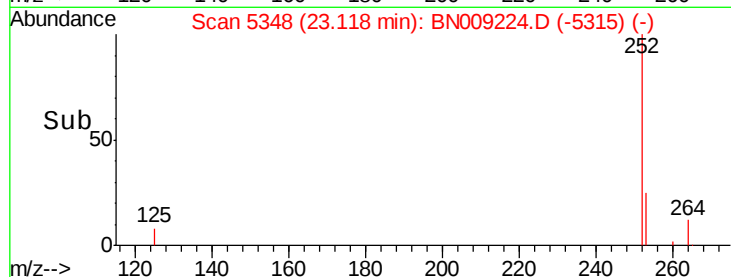
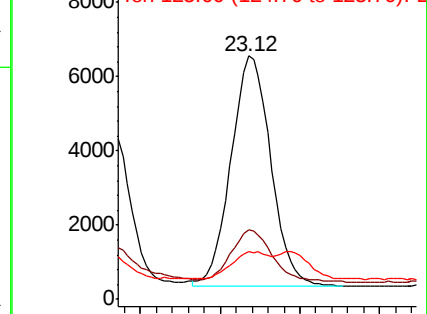
252 100

253 28.6 20.2 30.4

125 19.5 13.2 19.8



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.280 ng/ul

RT: 25.30 min Scan# 6081

Delta R.T. -0.01 min

Lab File: BN009224.D

Acq: 28 Dec 2019 12:42

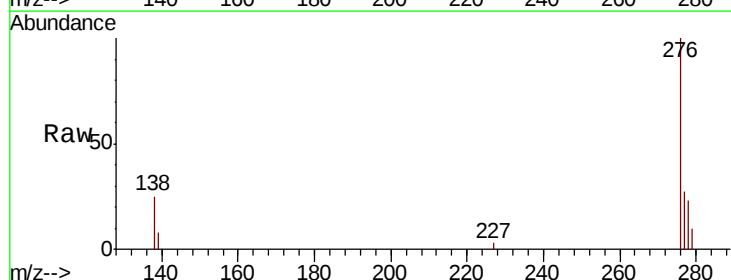
Tgt Ion:276 Resp: 8224

Ion Ratio Lower Upper

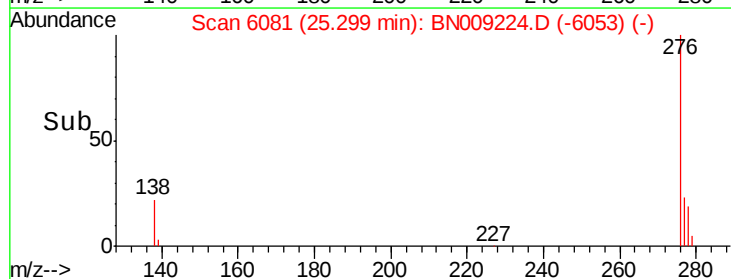
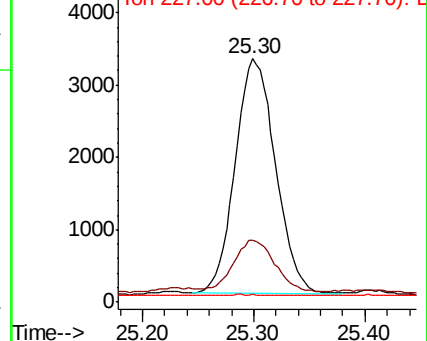
276 100

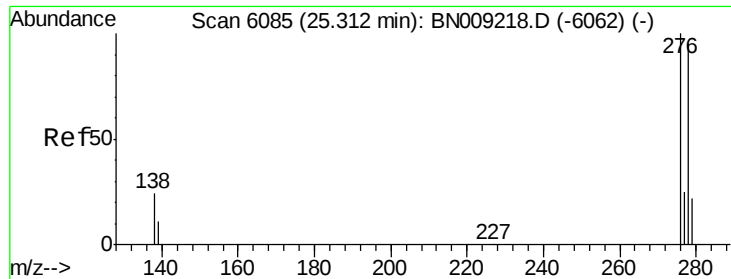
138 22.7 22.4 33.6

227 0.3 0.2 0.4



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.094 ng/u1

RT: 25.31 min Scan# 6084

Delta R.T. -0.00 min

Lab File: BN009224.D

Acq: 28 Dec 2019 12:42

Instrument :

BNA_N

ClientSampleId :

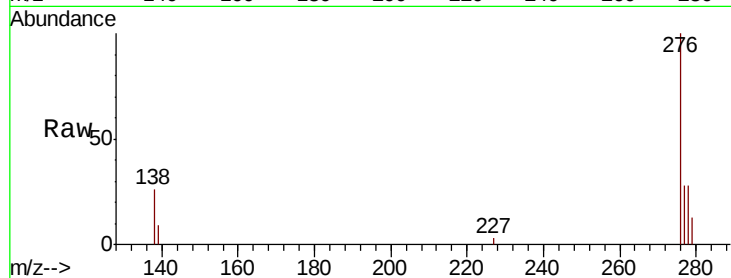
Tot Ion:278 Resp: 2193

Ion Ratio Lower Upper

278 100

139 32.5 16.2 24.2#

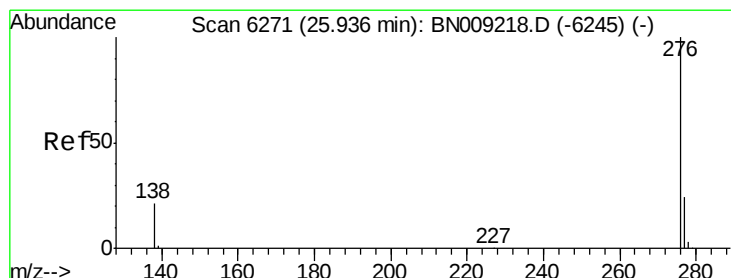
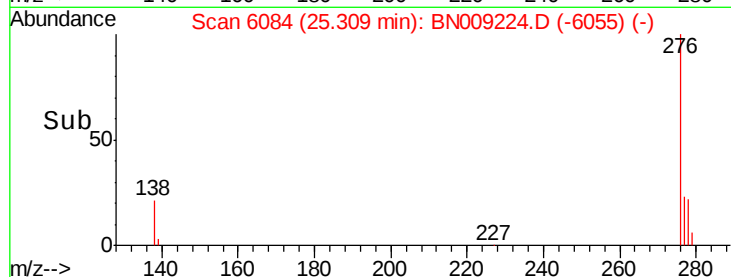
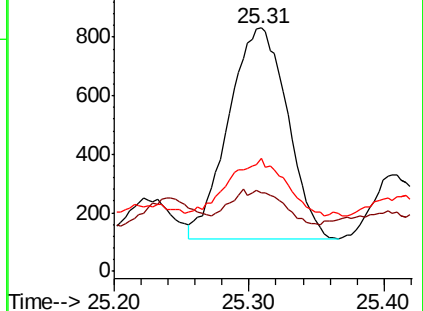
279 46.3 20.3 30.5#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#26

Benzo(g,h,i)perylene

Concen: 0.262 ng/u1

RT: 25.93 min Scan# 6270

Delta R.T. -0.00 min

Lab File: BN009224.D

Acq: 28 Dec 2019 12:42

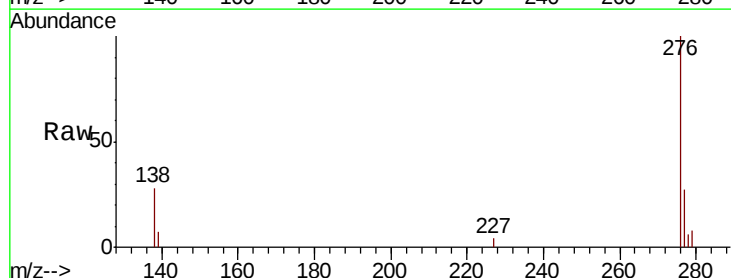
Tgt Ion:276 Resp: 6478

Ion Ratio Lower Upper

276 100

138 27.6 20.6 30.8

277 27.4 19.6 29.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

